

Art Unit: 2129

Remove: “experimentally determined equipment result data”

Insert: “experimentally determined ~~equipment~~ experiment result data”

On page 5 of the reply filed 3/5/08, in line <sup>22</sup>~~21~~ of claim 36:

6/19/08  
T.T.

Remove: “experiment design data.”

Insert: “experiment design data generated using the experimentally determined experiment result data from the first experiment.”

2. Claims 22-44 allowed.
3. The following is an examiner's statement of reasons for allowance: claims 22-44 are considered allowable since when reading the claims in light of the specification, as per MPEP § 2111.01, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims.

None of the references of record alone or in combination disclose or suggest the combination of limitations of selecting at least a first experiment from an experimental space including a plurality of experiments using a data-driven optimizer (as supported at ¶ 0037), inputting to at least one meta layer module experimentally determined experiment result data of the first experiment generated in the experimental space (as supported at ¶ 0038), wherein the experimentally determined experiment result data of the first experiment comprises knowledge obtained while the experiment is performed (as supported at ¶ 0038), evaluating the experimentally determined experiment result data of the first experiment at the meta layer module (as supported at ¶ 0039), wherein the meta layer module generates evaluation data based on the evaluating of the experimentally determined experiment result data (as supported at ¶ 0039), and wherein the evaluation data includes rules generated by performing data analysis on